Catsper 1

Catsper 2

Catsper 1

A-MM

AVLV

A)	
1	MAQEQGETQLLRADAIRSKLIDTFSLIEHLQGLSQAVPRHTLREILDPAY
51	QQKLMSQDQEQLVRFSIKPRRMGHITHSRRLLSRERVRCSRMPPLSLWAG
101	WVLDSSVFSKFIISLIFLNTFVLMVEIELMESTNTALWPVKLALEVADWF
	S1
151	ILLSFIVEILLMWLASFSLFWKDAWNVFDFFVTLLSLLPELVVLLGVPAH
	S2 S3
201	SVWLQLLRVCRVLRSLKLFARFRQIKVILLALVRALKSMTFLLMLLLIFF
	S4 S5
251	YIFAVTGVYFFREYSRSTIEGLEYNMFFSDLLNSLVTVFILFTLDHWYAV P
301	LQNIWKVPESSRVFSSIYVILWLLLGSIIFRNIIIAMMVTNFQNIRSELS
	\$6
351	EEMSHLEVQYKADMFKQQIIQRRQHSESLRGTSLGKVSEDIIETSDASDD
401	DDDDDDDDDDDDDDDDDDKSDATESDGEESDSENSESENSESEKIDPEKDY
451	AKKSYPEKSHPEKSYPEKSHPEKSYPEKSHPEKSYDEQAEAEKVKEESKE
501	KAYPVSHSISSHGSIAADTAFLENLDWETLVHENLPGLMDMDQDDRIVWP
551	RDSLFRYFELLEKLQYNLEERKKLQEFAVQALMSFEDK
B)	
Catsper 2	VLDSSVFSKFIISLIFLNTFVLMVEIELMESTNTALWPVKLALEVADWFILLSFIV
Catsper 1	MILSLTQSLGFETFIFIVVCLNTVILVAQ-TFTELEIRGEWYFMVLDSIFLSIYVI
Catsper 2	EILLMWLASFSLFWKDAWNVFDFFVTLLSLLPELVVLLGVPAHSVW-LQLLRVCRVLRSI
Catspèr 1	EAVLKLIALGLEYFYDPWNNLDFFIMVMAVLDFVLLQINSLSYSFYNHSLFRILKVFKSM
Catsper 2	KLFARFRQI-KVILLALVRALKSMTFLLMLLLIFFYIFAVTGVYFFREYSRSTIEGLEYN
Catsper 1	RALRAIRVLRRLSILTSLHEVAGTLSGSLPSITAILTLMFTCLFLFSVVLRALFQDSDPF
atener 2	MERCHILINGILTURILETI.DHWYAVIONTWKVPESSRVFSSIYVILWLLLGSIIFRNII

FIGURE 1

R-FQNIFTTLFTMLTEDDWSLIY--IDNRAQGAWYIIPI-LMIYIVIQYFIFLNLVI

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